

Fig. 1

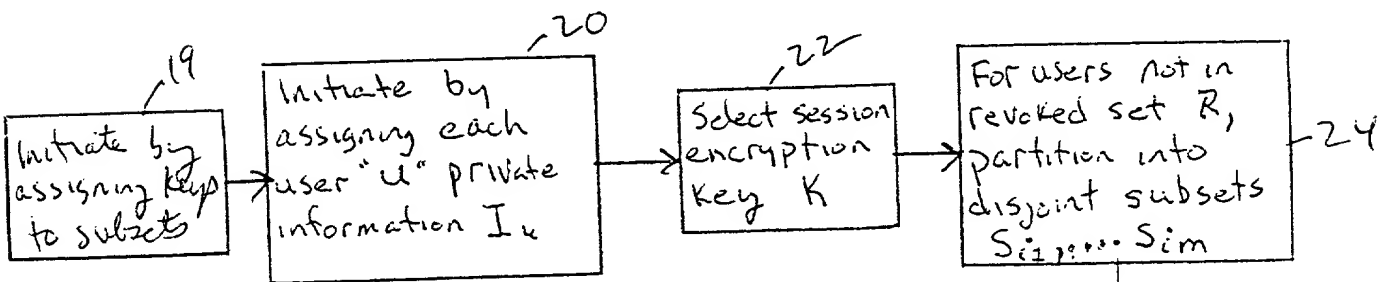
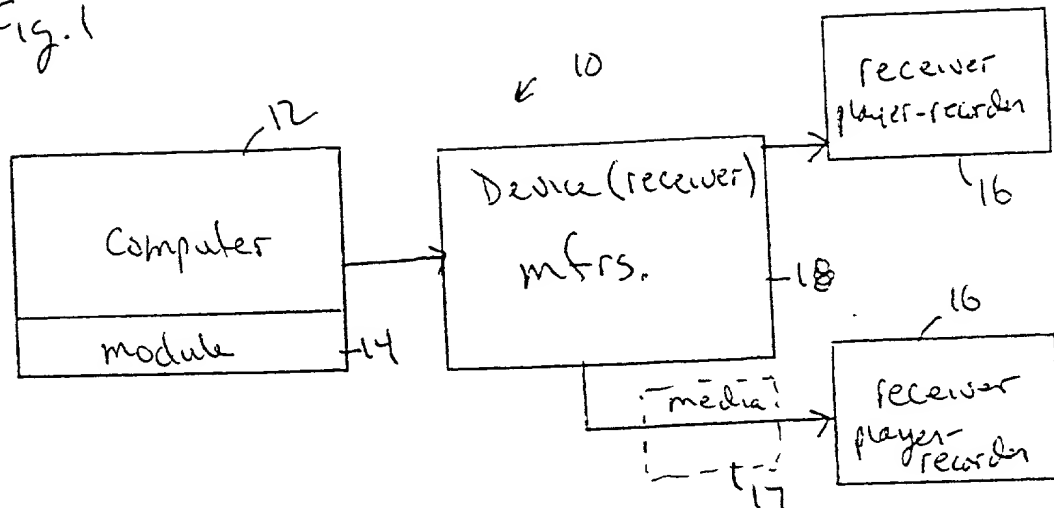


Fig. 2

overall flow -
initialization and
encryption

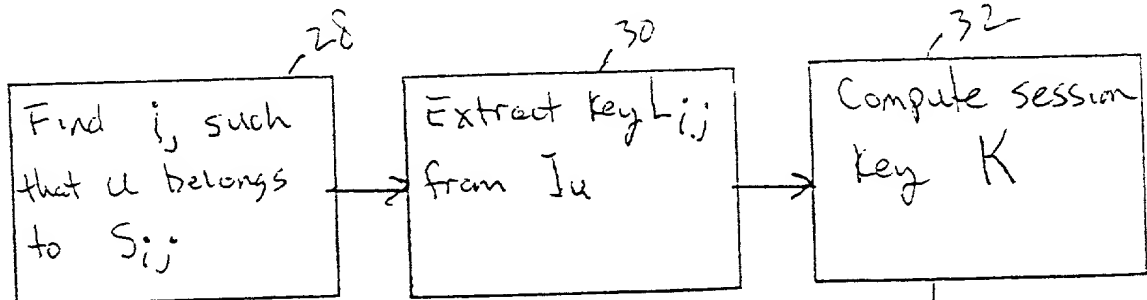
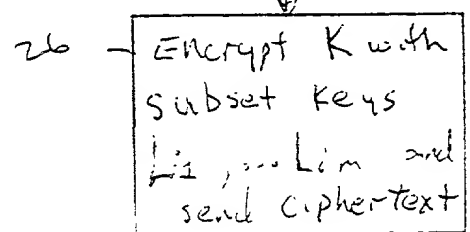
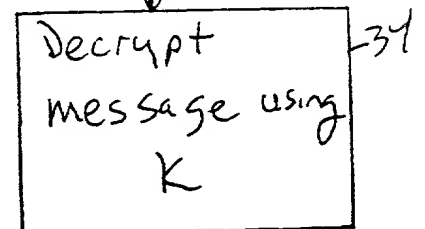


Fig. 3

overall flow -
decryption
(at each
receiver u)



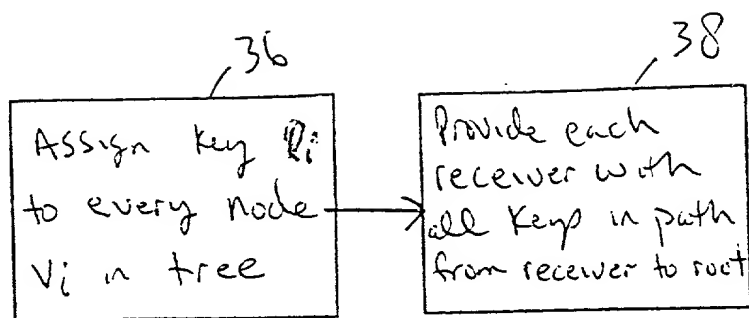


Fig. 4 - Key assignment, Complete Subtree

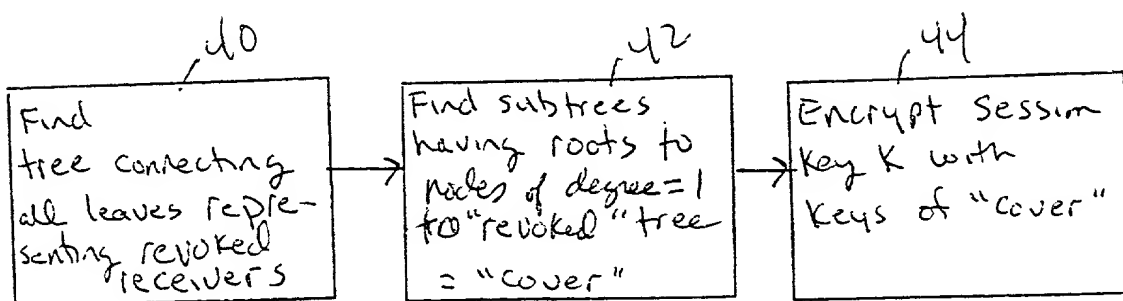


Fig. 5 - Complete Subtree encryption using "cover"

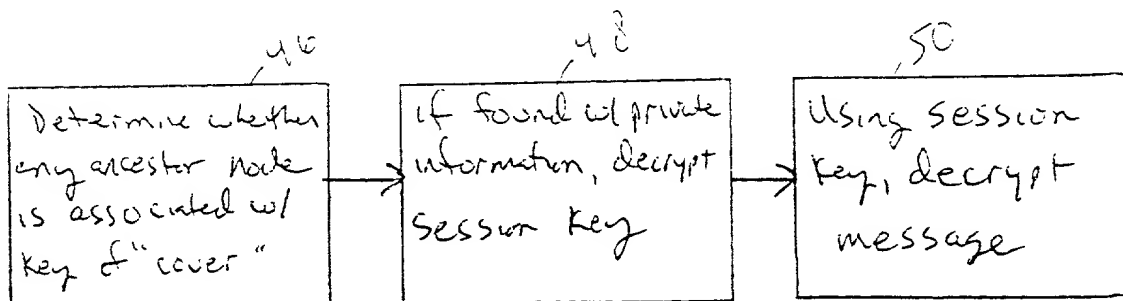
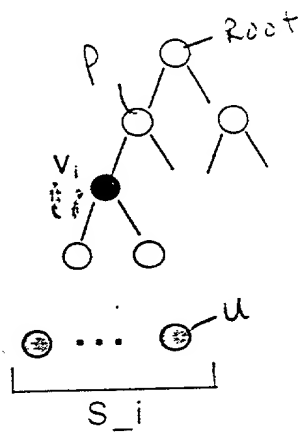


Fig. 6 - Complete Subtree Decryption

Fig. 7 Complete Subtree



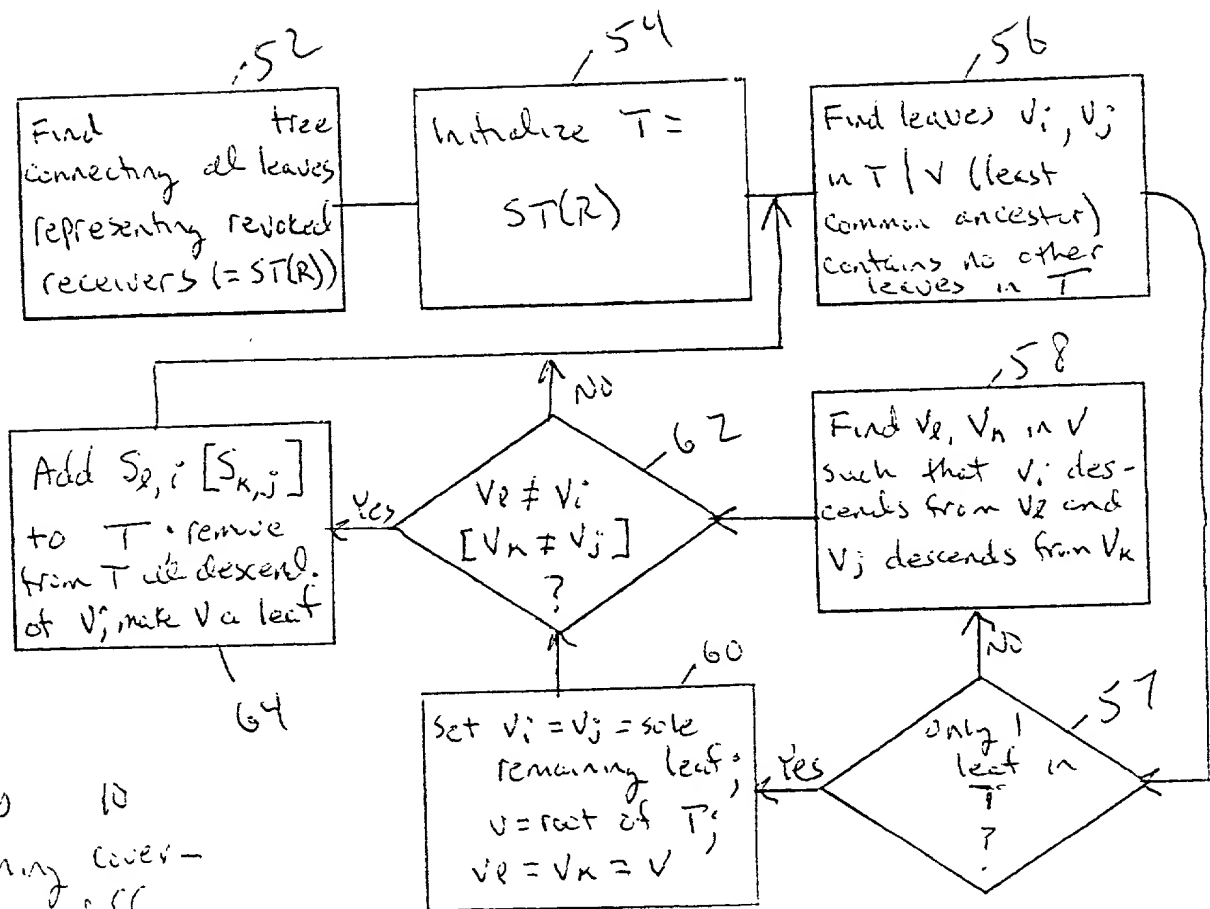


Fig. 10
defining cover-Subset difference

Fig. 11- Rec-assignment-Subset difference

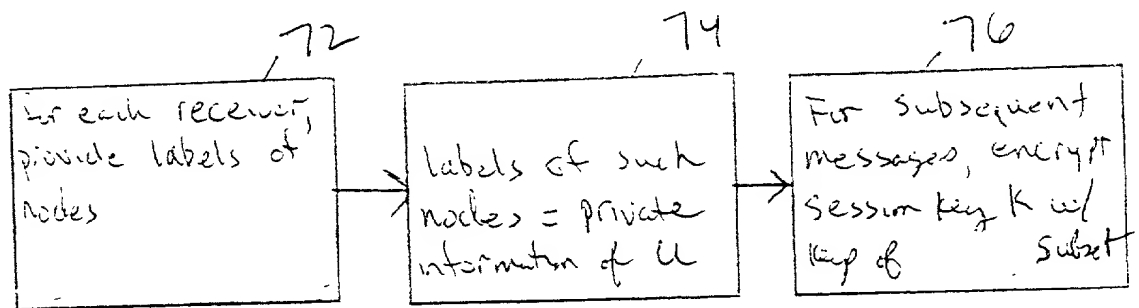
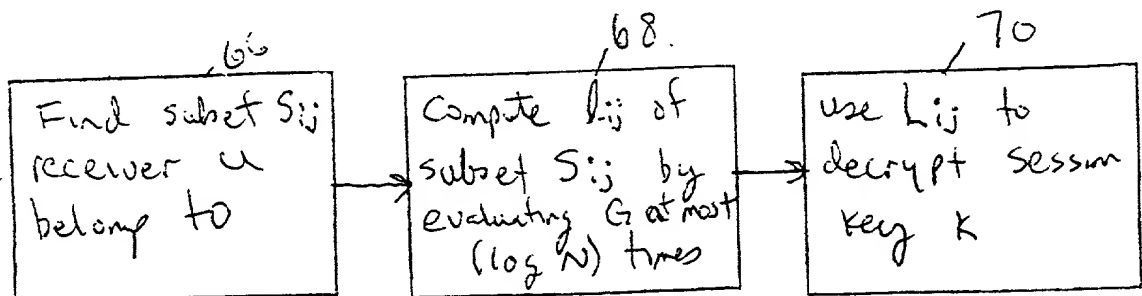


Fig. 12- decryption, subset difference



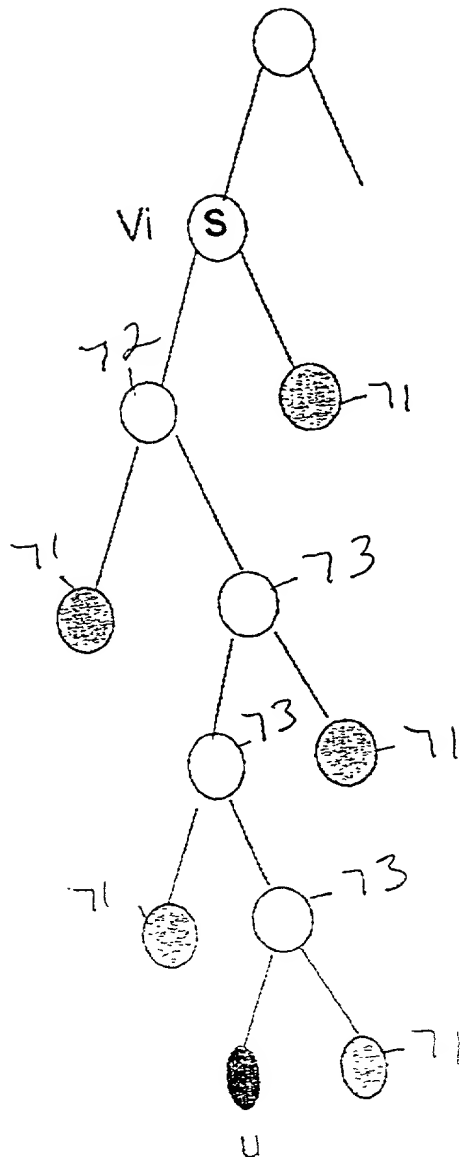
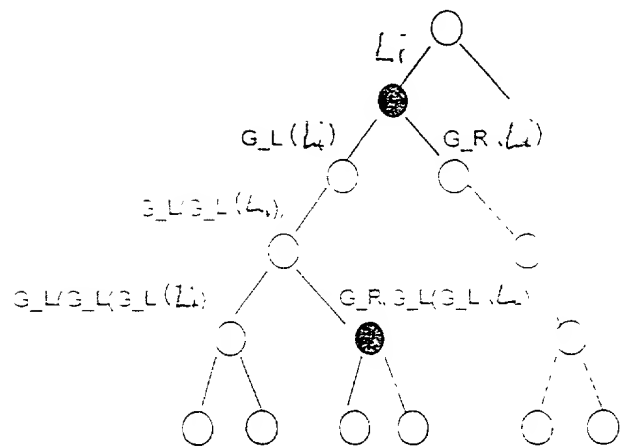


Fig. 14-

Assignment of Labels
Subset difference
method

Fig. 11 - key assignment
in subset difference
method.



$$L_{ij} = G_M(G_R(G_L(G_L(\dots))))$$

Fig. 9

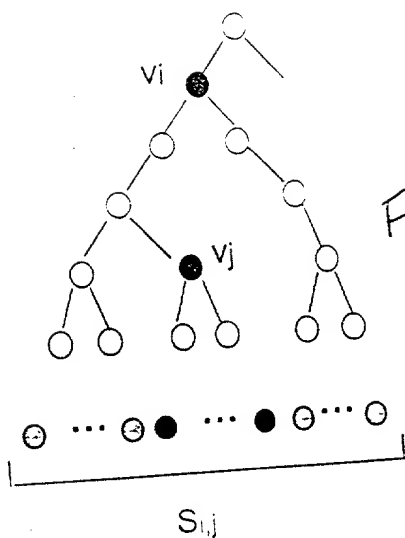
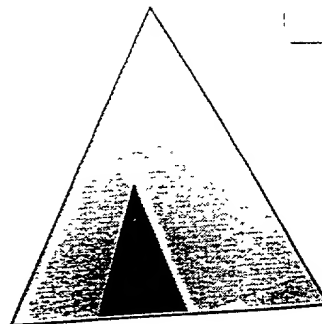
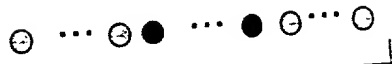


Fig. 8



S_{ij}

